ISSUE SLIP STAPLE AREA (for additional cross references)

| POSITION | INITIALS | ID NO. | DATE |
|---------------------------|----------|--------|----------|
| FEE DETERMINATION | 5.2 | | 08-28-0 |
| .I.P.E. CLASSIFIER | | 48 | 9/4/01 |
| FORMALITY REVIEW | Min | 1104 | 10/08/01 |
| RESPONSE FORMALITY REVIEW | | | 1 |

INDEX OF CLAIMS

| • | Rejected | N | Non-elected |
|---|----------------------------|---|--------------|
| = | Allowed | Ι | Interference |
| _ | (Through numeral) Canceled | Α | Appeal |
| ÷ | Restricted | 0 | Objected |

| Claim | | | | | | | | -, | | _ | | | | | | | | | _ | _ | _ | | | | | | | | | | | | i |
|--|---|---------------|----------|----------|-----------|----------|----------|---------------|----------|----------|-----------|------------------|-----------|----------|--------------|----------|--------------|--------------|---------------|--------|---------------|-----------------|---|--------------|--------------|----------|-----------|----------|----------|----------|--|-------------|----------|
| E S | | | (0 | Date | | | , | <u> </u> | ain | Cli | \square | _ | _ | | Date | ! | , , | _ | 1 | ain | Cla | \perp | , | | | e | Dat | | | | | aim | CI |
| 101 | | | | | | | | | Orininal | Final | | | | | | | | | O Grana | Calois | Final | | | | | | | 9 | 4 | 9 4 01 | 3210 | Original | Final |
| 103 | | | | | | | | | | | | | | | | | | | 1 | 5 | | \Box | | | | | | 7 | ~ | 7 | <u>, </u> | | |
| 4 I V V V 55 104 104 104 105 106 106 106 106 106 107 107 107 107 107 107 107 107 107 107 107 107 107 108 109 100 100 100 100 100 100 100 100 100 100 110 110 1110 1110 1111 1111 1111 1111 1112 112 112 113 113 113 113 113 113 113 113 113 113 114 | | | | | \perp | | Ш | _ | - | | Ц | | <u> </u> | ┸ | \perp | | Ш | <u> </u> | | | · ∟ | | <u> </u> | | | | | | | | | | |
| S | | $\perp \perp$ | L | | _ | | | | ٠. | | Ц | ļ_ | _ | | _ | _ | | | | | . L | Ш | Ļ. | $oxed{oxed}$ | L | L | | | | | ì | 1 | L |
| 6 | | + | ┡ | \dashv | _ | \dashv | | | | - | Н | | ļ | + | + | 4 | \sqcup | - | | _ | . | $+\!-\!\!\!\!-$ | | ļ | _ | ┡ | <u> </u> | _ | , | | 4 | | |
| 107 | | +-+ | - | \dashv | - | \dashv | \vdash | | - | - | Н | - | + | + | + | \dashv | Н | ┼ | | _ | | + | - | - | | _ | H | H | _ | ~ | ┵ | _ | - |
| Section Sect | | ╁ | - | \dashv | \dashv | | \vdash | | | - | Н | ├ | + | + | + | \dashv | H | ╁ | _ | _ | | + | ┢ | ┢ | ⊢ | - | - | H | _ | | | _ | - |
| 10 | | + | H | _ | ᅥ | \dashv | Н | _ | _ | \vdash | \dashv | ╁ | + | +- | + | 寸 | | + | | _ | | + | + | \vdash | ╁ | ╁ | - | \vdash | | | Н | - | \vdash |
| 10 | - | + | H | _ | \exists | | Н | - | - | | Н | _ | ✝ | 十 | + | \dashv | H | t^- | | - | | \forall | - | | <u> </u> | | _ | \vdash | _ | \neg | \vdash | | - |
| 12 | | 11 | | \neg | | | | 0 | 11 | | П | | Τ | \top | \top | | П | | 0 | 6 | | \top | Т | T | ┢ | T | | \vdash | _ | | _ | | |
| 13 | | | | | | | | 1 | 11 | | | | | | | | | Т | 31 | E | | \Box | T | | | 1 | | | | | | 11 | |
| 14 64 114 115 115 115 115 115 115 115 115 116 117 117 117 117 117 117 117 117 118 118 118 118 118 118 118 118 118 118 118 119 120 120 122 122 122 122 122 122 122 122 122 122 122 123 123 123 123 123 123 123 124 124 124 124 124 124 124 124 125 126 126 127 127 127 127 127 127 127 128 128 129 130 130 131 131 132 132 132 132 133 133 133 133 133 133 133 133 134 134 134 135 136 137 136 137 138 138 138 139 139 139 140 141 141 141 | | | L | | | | | | - | | | | | | \perp | | | | | _ | | \square | L | | | | | | | | | 12 | |
| 15 16 16 17 18 66 19 118 20 170 21 111 22 120 23 73 24 124 25 74 26 75 27 77 28 78 29 79 30 80 31 81 32 83 33 83 34 84 35 85 36 134 37 86 39 89 40 90 90 140 91 141 | | \bot | L | Ш | _ | | ļ | | + | | Ш | L | Щ | _ | 4 | | Ш | \perp | _ | - | | Ш | _ | | | | | | | | | | |
| 16 16 66 116 117 118 117 118 117 118 119 118 119 119 120 120 120 120 120 121 122 122 122 122 123 123 123 123 123 123 123 123 123 124 124 124 125 126 126 126 126 127 127 127 127 127 128 128 128 128 129 129 130 131 131 131 131 132 132 132 133 134 134 134 134 134 134 134 134 134 134 134 134 135 136 136 137 137 137 137 137 137 137 138 138 138 138 138 139 140 141 141 141 141 141 141 141 141 141 141 141 141 141 141 141 141 141< | $\sqcup \sqcup \sqcup$ | + | L | | 4 | | | _ | - | \vdash | Ш | <u> </u> | ╄- | ֈ | \perp | _ | Ш | 1 | | - | | \bot | ┞- | L | ┖ | _ | <u> </u> | | | | Ш | | L |
| 17 .18 67 117 118 118 118 118 118 118 119 118 119 120 120 120 121 121 121 122 122 122 122 122 123 123 123 123 123 123 123 124 124 124 124 124 124 124 125 126 126 126 126 126 127 127 127 127 127 127 128 129 129 129 129 129 129 130 131 131 131 131 131 131 132 132 132 132 132 132 133 134 134 134 134 134 134 134 134 134 134 134 134 135 135 136 137 137 137 137 137 137 137 137 136 138 138 138 138 139 140 140 140 141 141 141 141 | | + | ⊢ | \dashv | 4 | | | | | - | Н | ┡ | + | | - | _ | Н | ╀ | | | | + | ┡ | ┡ | ┡ | _ | <u> </u> | _ | | | | _ | <u> </u> |
| 118 | ╂┼┼┼ | ╂╌╂ | ├ | \dashv | \dashv | \dashv | \vdash | | | ┢ | Н | ┢ | ╁ | + | | \dashv | Н | ╁ | | | | + | ├- | ├- | ┞ | ⊢ | - | | | | | | \vdash |
| 19 69 119 20 70 120 21 71 121 72 122 23 74 124 25 75 125 26 76 125 27 76 127 28 79 128 29 79 129 30 80 130 31 81 131 32 82 132 33 83 132 33 84 134 35 85 133 36 86 136 37 88 135 38 88 138 39 90 140 40 90 140 | | ++ | ╁ | \vdash | \dashv | \dashv | | | _ | \vdash | \vdash | ┝ | ╁ | + | + | - | \vdash | + | | | | ╂┤ | ╀╌ | ╁ | ├ | ⊢ | ├ | - | | \dashv | H | | \vdash |
| 20 70 120 121 121 121 121 121 122 122 122 123 123 123 123 123 123 124 124 124 124 124 124 125 125 125 125 125 126 127 127 127 127 127 127 128 128 128 128 128 129 129 129 129 129 129 130 130 130 131 131 131 131 131 131 132 132 132 132 133 133 133 134 134 134 134 134 134 134 134 135 135 136 135 136 136 136 136 137 137 137 138 139 139 140 141 | | + + | H | \Box | 7 | \vdash | Н | _ | _ | | \vdash | \vdash | \vdash | + | \top | -+ | H | ╁ | _ | - | | + | ╁╌ | \vdash | \vdash | ╁ | ┢ | \vdash | _ | - | | | \vdash |
| 21 71 121 122 122 122 122 123 123 123 124 124 124 124 124 124 124 125 125 125 125 126 126 127 127 128 128 127 127 128 128 129 129 129 129 129 130 130 130 130 130 131 131 131 131 132 132 132 132 133 133 133 133 133 133 133 133 134 134 134 134 134 134 134 134 134 134 135 135 136 136 136 136 137 137 137 138 138 138 139 139 140 141 141 141 141 141 141 141 141 141 141 141 141 141 141 141 | | + | _ | \Box | | T | \vdash | | +- | | П | † – | + | + | † | \dashv | Н | + | - | + | | + | + | + | 1 | ┢ | | | _ | | - | - | \vdash |
| 22 72 122 123 24 73 124 124 124 25 75 125 125 126 127 127 128 128 128 129 129 129 129 129 129 130 130 130 130 130 130 131 131 131 131 131 132 132 132 132 132 132 132 132 133 133 134 134 134 134 134 134 135 135 136 136 137 137 137 137 138 138 138 139 139 139 139 139 139 139 140 141 | | 11 | ┢ | П | \dashv | | ┢ | | +- | | Н | | ╁ | + | + | | Н | +- | | - | | + | + | \vdash | - | ┝ | \vdash | \vdash | | \dashv | - | - | \vdash |
| 23 73 123 24 74 124 25 75 125 26 76 126 27 77 128 29 79 129 30 80 130 31 81 131 32 82 132 33 83 133 34 84 134 35 85 135 36 86 136 37 88 138 39 89 139 40 90 140 41 91 141 | | \top | T | П | | | | _ | - | | П | | T | 1 | + | _ | П | \top | _ | _ | | + | t | \vdash | t | ┢ | \vdash | \vdash | | \dashv | | + | \vdash |
| 25 125 126 126 126 126 127 127 127 127 127 128 128 128 128 128 129 129 129 129 130 130 130 130 130 131 131 131 131 132 132 132 132 132 133 133 133 133 133 134 134 134 134 134 134 135 135 135 136 136 137 137 137 137 137 138 138 138 139 140 140 140 140 140 141 142 143 143 144 144 144 144 144 144 | | \Box | | | | | | | | | | | | | | | | | '3 | 7 | | \top | T | T | | T | | | | | | - | |
| 26 76 126 127 28 77 127 127 29 79 129 129 30 80 130 130 31 81 131 131 32 82 132 132 33 84 134 134 35 85 135 135 36 86 136 137 38 88 138 139 40 90 140 141 | $\sqcup \sqcup \sqcup$ | 11 | L | Ш | | | | 24 | 12 | | | | | | | | | L | _ | _ | | \Box | | | | | | | • | | | 24 | |
| 27 127 128 128 128 128 128 128 129 129 129 129 130 130 130 130 130 131 131 131 131 132 132 132 132 132 133 133 133 133 133 134 134 134 134 134 135 135 135 136 136 136 136 137 137 137 137 138 138 138 139 139 140 140 140 141 142 143 144 144 144 | | 1-1 | Ļ | Ш | | | _ | _ | + | \vdash | Ш | L | \perp | ┸ | 4 | \perp | | | _ | - | <u> </u> _ | | | | <u> </u> | | _ | | | | | _ | |
| 28 78 128 29 79 129 30 80 130 31 81 131 32 82 132 33 83 133 34 84 134 35 85 135 36 86 136 37 87 137 38 89 139 40 90 140 41 91 141 | ╀┼┼╼ | + | ┝ | Н | _ | \vdash | | | - | \vdash | Н | - | 1 | \perp | _ | | | ـ | _ | - | l | 44 | Ļ | | | <u> </u> | <u> </u> | <u>L</u> | | | | | \perp |
| 29 79 129 30 130 130 31 81 131 32 82 132 33 83 133 34 84 134 35 85 136 36 86 136 37 87 137 38 88 138 39 89 139 40 90 140 41 91 141 | + | + | ┝ | Н | | | ⊢ | _ | _ | | Н | ├- | +- | + | \dashv | \vdash | \vdash | | | | - | + | ـــــ | ـ | | ┡ | <u> </u> | ┡ | _ | | <u> </u> | _ | _ |
| 30 80 31 81 32 82 33 83 34 84 35 85 36 85 37 86 37 87 38 88 39 89 40 90 41 91 | | +-1 | ╁ | \vdash | \dashv | | ┢ | | _ | - | Н | ╁ | ╁ | | \dashv | \vdash | Н | + | _ | | - | + | ╂ | ╁╌ | ╀ | ┝ | | ⊢ | - | _ | L | | - |
| 31 81 32 131 33 83 34 84 35 85 36 85 37 86 37 87 38 88 39 89 40 90 41 91 | | + | ╁ | H | - | | ┼─ | | - | - | Н | ┢ | ╁ | +- | | \dashv | | - | | | - | ╁┤ | ╁╌ | ╀ | ╀ | ┝ | ⊢ | ┡ | - | | ⊢ | - | \vdash |
| 32 82 33 83 34 84 35 85 36 85 37 86 38 87 38 88 39 89 40 90 41 91 | | + | ⇈ | П | \neg | | ! | | + | | H | <u> </u> | 1 | + | | | \vdash | \dagger | \rightarrow | | l | + | + | +- | + | + | | \vdash | \vdash | - | - | _ | |
| 33 | | \Box | Г | П | П | | | \rightarrow | - | | Ħ | \vdash | \dagger | + | \dashv | | ✝ | \dagger | _ | | | \top | \dagger | ۲ | +- | 1 | \vdash | | \vdash | | | | \vdash |
| 35 85 36 86 37 87 38 87 39 88 40 90 41 91 | | | L | | | | | 33 | 13 | | | T | | | | | | | 33 | 8 | | | \top | T | T | T | T | | | _ | | - | ļ. |
| 36 86 37 136 38 87 39 88 40 90 41 91 | | - | L | Ш | _ | | | — | - | | | \mathbb{I}_{-} | L | I | | | | | 34 | ٤ | | | | | | T | | | | | | 34 | \cdot |
| 37 87 38 88 39 89 40 90 41 91 | | \dashv | \vdash | ┟╌┤ | _ | | <u> </u> | | | | Ш | <u> </u> | 1 | \perp | 4 | | | | | _ | ! | \perp | \perp | \Box | | L | | L | | | | | |
| 38 88 39 138 40 90 41 91 | ┼┼┼ | ++ | ⊦ | \vdash | _ | | ├ | | | <u> </u> | Н | ↓_ | 1 | \perp | _ | \vdash | ╄ | _ | | - | ∤ ∟ | | 1 | ↓ | ┸ | L | <u> </u> | <u> </u> | L | <u> </u> | _ | _ | _ |
| 39 89 40 90 41 91 | | ┼┤ | ⊢ | \vdash | _ | Н | ⊢ | _ | - | - | Н | ┼ | +- | + | 4 | - | | _ | | | . ⊢ | | ┼- | \bot | \perp | ╀ | _ | _ | ╙ | L- | _ | | Ļ |
| 40 90 140 41 91 141 | | + | ╁ | Н | | - | ╁ | _ | | \vdash | \vdash | ╀╌ | ╁ | + | \dashv | \vdash | ╀ | + | - | - | ! ⊢ | ┿ | ╀ | \vdash | ╁- | ļ | | ⊢ | <u> </u> | ⊢ | ┡ | - | Ļ |
| 41 91 141 | +++ | +++ | 十 | H | | \vdash | \vdash | | | H | H | ╁╌ | + | + | \dashv | \vdash | ╁ | ╁ | - | - | ŀ ⊢ | +- | + | + | ┼ | ╀ | ╂— | - | ├— | ⊢ | ⊢ | - | \vdash |
| | ++- | + | \vdash | Н | | | ╁ | _ | | - | \vdash | ┼ | + | + | - | Н | - | +- | _ | - | | + | ╁ | +- | ┼- | ╀ | ⊢ | ⊬ | ⊢ | ┝ | | - | \vdash |
| | ++-:- | + | +- | \vdash | - | \vdash | ┢ | | _ | ├ | Н | +- | ╁ | + | | | \vdash | - | | | l ⊢ | ┿ | +- | ╄ | ╄ | ╄ | - | - | ├- | <u> </u> | _ | | \vdash |
| 42 43 93 143 | - | +-1 | t | H | | - | \vdash | | | \vdash | Н | ╁ | + | + | + | \vdash | ┼ | +- | | | ┤├ | ┿ | ╀ | +- | + | ╁ | - | ╁ | \vdash | | - | 42 | - |
| 43 94 144 | | 11 | T | М | | 1 | 1 | | _ | \vdash | \forall | t | + | + | \dashv | \vdash | + | +- | | | ┤ ├─ | + | ╁ | + | + | + | + | + | \vdash | \vdash | _ | | 1 |
| 45 95 145 | | \square | I | | | | T | | | | | + | \dagger | + | \dashv | Н | T | + | | | 1 - | + | + | + | +- | + | t | + | \vdash | - | | | \vdash |
| 46 96 146 | | | L | | | | | 16 | 7, | | П | T | 1 | \dashv | \dashv | \sqcap | \top | \top | | | 1 | + | T | 十 | \dagger | + | \dagger | \top | \vdash | H | | | \vdash |
| 47 97 147 | | ! | L | | | | | | | | | Τ | Τ | | \neg | | 1 | 1 | | | 1 | + | \top | 1 | \top | T | | 1 | \vdash | T | | | |
| 48 98 148 | | | \perp | L | | | Ľ | | | | | | | 工 | | | L | | 98 | 9 | | \perp | T | | T | T | T | T | T | \vdash | | | \vdash |
| 49 99 149 | | + | \vdash | _ | _ | L | <u> </u> | 49 | 1 | | Ш | L | | Ţ | \Box | | \Box | | | | | $oxed{\Box}$ | \perp | oxdot | $oxed{\Box}$ | Ľ | | | | | | | |
| 50 100 150 | <u> </u> | | | L | | | <u></u> | 50 | 1 | L_ | Ш | <u>L</u> . | | 上 | | Ш | | | 00 | 1 |] [| | تــــــــــــــــــــــــــــــــــــــ | L | L | | L | | | | | 50 | |

If more than 150 claims or 10 actions staple additional sheet here

(LEFT INSIDE)